

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in this application.

Listing of Claims:

1. (Currently amended) A dental crown ~~formed of a thermoplastic polymer material, said crown~~ having a natural appearance of a vital tooth and comprising
 - a tooth shaped top surface and
 - depending flexible side surfaces extending continuously around edges of said tooth shaped top surface and extending continuously from a tooth shaped top surface end of the dental crown to an end opposite said tooth shaped top surface end of the dental crown,
 - at least one of said depending flexible continuous side surfaces having ~~a relief on it's inner surface corresponding to a bent portion, located so as to define an inner surface shaped with an undercut defining~~ an inwardly directed bottom portion ~~directed inwardly from said bent portion; said relief in at least one of the flexible side surfaces~~ enabling the dental crown to be used for treatment of primary teeth and permanent molars,

wherein said dental crown is formed of a resilient and dimensionally stable thermoplastic material such that said dental crown returns to its original shape upon being applied to and removed from a patient's dentition.
2. (Original) A dental crown according to claim 1, wherein said thermoplastic polymer material comprising a polymer selected from polyacetal, polyacrylate, polymethylmethacrylate (PMMA), polyamide, polyaryletherketone (PAEK), polyetherketone (PEK), polyetheretherketone (PEEK), polyetherimide (PEI), polyethersulfone (PES), polysulfone (PSU), and mixtures thereof.

3. (Previously presented) A dental crown according to claim 2, wherein said polymer is a homo- or co-polymer of acetal resin, polyetheretherketone (PEEK) or polymethylmethacrylate (PMMA).

4. (Original) A dental crown according to claim 1, wherein said thermoplastic polymer material further comprising at least one of the following: fibers, fillers, pigments and reinforcements.

5. (Original) A dental crown according to claim 1, formed by injection molding.

6. (Previously presented) A dental crown according to claim 5, produced by a mass production injection molding method, said mass production injection molding method comprising:

providing a multi-element mold; and

employing the multi-element mold to injection mold a dental crown from a thermoplastic polymer material.

7. (Original) A dental crown according to claim 6, wherein said multi-element mold includes an ejector, which is being operated to eject the molded crown following opening the multi-element mold.

8. (Original) A dental crown according to claim 1, formed by compression molding.

9. (Original) A dental crown according to claim 1, formed by machining.